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Term	Documents
M13.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	113924
M13S.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	9
(2 AND M13).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	19

Attachment
to paper # 7
FOAM

Database:

[US Patents Full-Text Database](#)
[US Pre-Grant Publication Full-Text Database](#)
[JPO Abstracts Database](#)
[EPO Abstracts Database](#)
[Derwent World Patents Index](#)
[IBM Technical Disclosure Bulletins](#)

12 and m13

Refine Search:

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Today's Date: 1/14/2002

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	12 and m13	19	L3
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	VIII fusion	31	L2
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	VIII same fusion	395	L1

Status: Path 1 of [Dialog Information Services via Modem]

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DIALOG INFORMATION SERVICES

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***** HHHHHHHH SSSSSSSS?

Status: Signing onto Dialog

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Logon file001 14jan02 09:30:46

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See HELP LIBRARY for more information.

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***Financial Times Fulltext (File 476)
***Harris Business Profiler (File 537)
***Mergent Company Profiles (File 555)
***Mergent Company Snapshots (File 556)
***Mergent Company News Reports (File 557)
***NewsRx Weekly Reports (File 135)
***TRADEMARKSCAN-Japan (File 669)
***Weldasearch (File 25)
***Teme - Technology and Management (File 95)

UPDATING RESUMED

***Delphes European Business (File 481)

RELOADED

***Adis Clinical Trials Insight (File 173)
***CLAIMS/US PATENTS (Files 340, 341, 942)
***Kompas Middle East/Africa/Mediterranean (File 585)
***Kompas Asia/Pacific (File 592)
***Kompas Central/Eastern Europe (File 593)
***Kompas Canada (File 594)

New document supplier

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File 1:ERIC 1966-2002/Jan 11
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Set	Items	Description
---	-----	-----
Cost is in DialUnits		
?b 434,	5,	155
14jan02	09:30:56	User259980 Session D182.1
	\$0.31	0.088 DialUnits File1
\$0.31	Estimated cost File1	
\$0.01	TYMNET	
\$0.32	Estimated cost this search	
\$0.32	Estimated total session cost 0.088 DialUnits	

SYSTEM:OS - DIALOG OneSearch
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 1998 Inst for Sci Info
File 5:Biosis Previews(R) 1969-2002/Jan W1
(c) 2002 BIOSIS
File 155:MEDLINE(R) 1966-2002/JAN W3
*File 155: File temporarily is not updating. The updating will
resume by the end of January 2002.

Set	Items	Description
---	-----	-----
?s VIII(s)	fusion	
	43345	VIII
	181227	FUSION
S1	169	VIII(S) FUSION
?s s1 and m13		
	169	S1
	5457	M13
S2	16	S1 AND M13
?rd		
...completed	examining	records
S3	9	RD (unique items)
?t/3/all		

3/3/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

12885494 BIOSIS NO.: 200100092643
Rapid identification of a tobacco mosaic virus epitope by using a coat
protein gene-fragment-pVIII fusion library.
AUTHOR: Holzem Achim; Naehring Joerg M; Fischer Rainer(a)
AUTHOR ADDRESS: (a)Institut fuer Biologie I (Botanik/Molekularbiologie),
RWTH Aachen, Worrringerweg 1, D-52074, Aachen: fischer@biol.rwth-aachen.de
**Germany
JOURNAL: Journal of General Virology 82 (1):p9-15 January, 2001
MEDIUM: print
ISSN: 0022-1317
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

3/3/2 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

12148045 BIOSIS NO.: 199900442894
Molecular function of the dual-start motif in the lambda S holin.
AUTHOR: Graschopf Anton; Blaesi Udo(a)
AUTHOR ADDRESS: (a)Vienna Biocenter, Institute of Microbiology and

Genetics, University of Vienna, Dr Bohrgasse 9, 1030, Vienna**Austria
JOURNAL: Molecular Microbiology 33 (3):p569-582 Aug., 1999
ISSN: 0950-382X
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

3/3/3 (Item 3 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

11665947 BIOSIS NO.: 199800447678
Efficient display of an HCV cDNA expression library as C-terminal fusion to the capsid protein D of bacteriophage lambda.
AUTHOR: Santini Claudia; Brennan Debra; Mennuni Carmela; Hoess Ronald H; Nicosia Alfredo; Cortese Riccardo; Luzzago Alessandra(a)
AUTHOR ADDRESS: (a)Ist. Ricerche Biol., Mol. P. Angeletti, Pomezia, Rome** Italy
JOURNAL: Journal of Molecular Biology 282 (1):p125-135 Sept. 11, 1998
ISSN: 0022-2836
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

3/3/4 (Item 4 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

09731935 BIOSIS NO.: 199598186853
Monoclonal antibodies against a minor and the major coat proteins of filamentous phage *M13*: Their application in phage display.
AUTHOR: Bhardwaj D; Singh S S; Abrok S; Chaudhary V K(a)
AUTHOR ADDRESS: (a)Dep. Biochem., Univ. Delhi South Campus, Benito Juarez Road, New Delhi 110021**India
JOURNAL: Journal of Immunological Methods 179 (2):p165-175 1995
ISSN: 0022-1759
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

3/3/5 (Item 5 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

09683793 BIOSIS NO.: 199598138711
Construction and characterization of *M13* bacteriophages displaying functional IgG-binding domains of Staphylococcal protein A.
AUTHOR: Kushwaha Ashima; Chowdhury Partha Sarathi; Arora Kajal; Abrol Smita; Chaudhary Vijay K(a)
AUTHOR ADDRESS: (a)Dep. Biochem., Univ. Delhi S. Campus, Benito Juarez Rd., New Delhi 110021**India
JOURNAL: Gene (Amsterdam) 151 (1-2):p45-51 1994
ISSN: 0378-1119
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

3/3/6 (Item 6 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

07996634 BIOSIS NO.: 000093052307
DESIGN CONSTRUCTION AND FUNCTION OF A MULTICOPY DISPLAY VECTOR USING FUSIONS TO THE MAJOR COAT PROTEIN OF BACTERIOPHAGE *M13*
AUTHOR: MARKLAND W; ROBERTS B L; SAXENA M J; GUTERMAN S K; LADNER R C
AUTHOR ADDRESS: PROTEIN ENGINEERING CORPORATION, 765 CONCORD AVENUE,

CAMBRIDGE, MASS. 02138.
JOURNAL: GENE (AMST) 109 (1). 1991. 13-20. 1991
FULL JOURNAL NAME: GENE (Amsterdam)
CODEN: GENED
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

3/3/7 (Item 7 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

06073817 BIOSIS NO.: 000085036966
TRANSLATIONAL CONTROL OF PHAGE F1 GENE EXPRESSION BY DIFFERENTIAL
ACTIVITIES OF THE GENE V VII IX AND VIII INITIATION SITES
AUTHOR: BLUMER K J; IVEY M R; STEEGE D A
AUTHOR ADDRESS: DEP. BIOCHEM., DUKE UNIV. MED. CENT., DURHAM, N.C. 27710,
U.S.A.
JOURNAL: J MOL BIOL 197 (3). 1987. 439-452. 1987
FULL JOURNAL NAME: Journal of Molecular Biology
CODEN: JMOBA
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

3/3/8 (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

09012891 96330965 PMID: 8743310
Affinity maturation of proteins displayed on surface of *M13*
bacteriophage as major coat protein fusions.
Roberts BL; Markland W; Ladner RC
Genzyme Corporation, Framingham, Massachusetts 01701, USA.
Methods in enzymology (UNITED STATES) 1996, 267 p68-82, ISSN
0076-6879 Journal Code: MVA
Languages: ENGLISH
Document type: Journal Article
Record type: Completed

3/3/9 (Item 2 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

07906799 93285460 PMID: 8508953
Trypsin display on the surface of bacteriophage.
Corey DR; Shiau AK; Yang Q; Janowski BA; Craik CS
Department of Pharmaceutical Chemistry, University of California San
Francisco 94143.
Gene (NETHERLANDS) Jun 15 1993, 128 (1) p129-34, ISSN 0378-1119
Journal Code: FOP
Languages: ENGLISH
Document type: Journal Article
Record type: Completed
?t/9/7

3/9/7 (Item 7 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

06073817 BIOSIS NO.: 000085036966
TRANSLATIONAL CONTROL OF PHAGE F1 GENE EXPRESSION BY DIFFERENTIAL
ACTIVITIES OF THE GENE V VII IX AND VIII INITIATION SITES
AUTHOR: BLUMER K J; IVEY M R; STEEGE D A
AUTHOR ADDRESS: DEP. BIOCHEM., DUKE UNIV. MED. CENT., DURHAM, N.C. 27710,
U.S.A.
JOURNAL: J MOL BIOL 197 (3). 1987. 439-452. 1987
FULL JOURNAL NAME: Journal of Molecular Biology
CODEN: JMOBA
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

ABSTRACT: Phage-specific transcription and subsequent RNA processing in *Escherichia coli* infected with the filamentous phage (f1, *M13*, fd) generate a pool of abundant and relatively long-lived phage mRNA species encoding the four adjacent genes V, VII, IX and *VIII*. Yet the products of gene V and gene *VIII* are synthesized at much higher levels than the gene VII and gene IX proteins. To ask if the translational initiation sites heading these genes show corresponding differences in activity and/or functional properties, we have purified a number of the phage mRNAs from cells infected with f1 and examined them in in vitro initiation reactions. The ribosome binding patterns obtained for the phage mRNA species and for smaller defined RNA fragments containing selected initiator regions reveal a large range in apparent ribosome binding strengths. The gene V and gene *VIII* sites are recognized efficiently in each mRNA species in which they are present. Gene IX site activity appears to be limited by local mRNA structure: the site has undetectable or low ribosome binding activity in all of the phage mRNA species, but is at least tenfold more active if the RNA sequences required to form a potential hairpin stem-and-loop 15 nucleotides upstream from the initiator AUG have been removed. The gene VII site shows no evidence of interaction with ribosomes in any phage mRNA or RNA fragment tested. The same striking differences in initiation activity were observed in vivo by cloning small f1 DNA fragments containing gene V or gene VII initiation site sequences to drive .beta.-galactosidase synthesis. High levels of a gene V-.beta.-galactosidase *fusion* protein are initiated at the V site, but no detectable synthesis occurs from the VII site. If the VII site is preceded by all of the information encoding the upstream gene V, however, modest amounts of a *fusion* protein initiated at the VII site are produced. The overall results, in accord with the observed yields of proteins in the phage-infected cell, provide strong evidence that the properties of these translational initiation sites determine in a significant way the differential expression of phage f1 genes V, VII, IX and *VIII*.

DESCRIPTORS: ESCHERICHIA-COLI RIBOSOME BINDING MESSENGER RNA

CONCEPT CODES:

10062 Biochemical Studies-Nucleic Acids, Purines and Pyrimidines
 10300 Replication, Transcription, Translation
 10506 Biophysics-Molecular Properties and Macromolecules
 13012 Metabolism-Proteins, Peptides and Amino Acids
 31000 Physiology and Biochemistry of Bacteria
 31500 Genetics of Bacteria and Viruses
 33504 Virology-Bacteriophage
 10064 Biochemical Studies-Proteins, Peptides and Amino Acids

BIOSYSTEMATIC CODES:

02125 Inoviridae (1981-)
 04810 Enterobacteriaceae (1979-)

BIOSYSTEMATIC CLASSIFICATION (SUPER TAXA):

Microorganisms
 Viruses
 Bacteria

?ds

Set	Items	Description
S1	169	VIII(S) FUSION
S2	16	S1 AND M13
S3	9	RD (unique items)
?s VIII fusion		
S4	0	VIII FUSION
?s monomer?(s)bias		
	76832	MONOMER?
	49656	BIAS
S5	61	MONOMER?(S)BIAS
?s s5 and produc?(w)oligo?		
>>>File 5 processing for OLIGO? stopped at OLIGOPHASE		
>>>File 155 processing for OLIGO? stopped at OLIGOTETRATOASTHENOZOOSPERMIA		
	61	S5
	2549513	PRODUC?
	290444	OLIGO?
	294	PRODUC?(W)OLIGO?
S6	0	S5 AND PRODUC?(W)OLIGO?
?s produc?(w)oligonucleo?		

2549513 PRODUC?
 87700 OLIGONUCLEO?
 S7 72 PRODUC? (W) OLIGONUCLEO?
 ?s s7 and bias
 72 S7
 49656 BIAS
 S8 0 S7 AND BIAS
 ?s s8 and monmers
 0 S8
 1 MONMERS
 S9 0 S8 AND MONMERS
 ?s s8 and monomer?
 0 S8
 76832 MONOMER?
 S10 0 S8 AND MONOMER?
 ?s s7 and monomer?
 72 S7
 76832 MONOMER?
 S11 1 S7 AND MONOMER?
 ?t/9/all

11/9/1 (Item 1 from file: 5)
 DIALOG(R)File 5: Biosis Previews(R)
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13012515 BIOSIS NO.: 200100219664
 Synthons for oligonucleotide synthesis.
 AUTHOR: Iyer Radhakrishnan P; Yu Dong(a); Guo Mao-Jun; Agrawal Sudhir
 AUTHOR ADDRESS: (a)Somerville, MA**USA
 JOURNAL: Official Gazette of the United States Patent and Trademark Office
 Patents 1238 (2):pNo Pagination Sep. 12, 2000
 MEDIUM: e-file
 PATENT NUMBER: US 6117993 PATENT DATE GRANTED: September 12, 2000 20000912
 PATENT ASSIGNEE: Hybridon, Inc. PATENT COUNTRY: USA
 ISSN: 0098-1133
 DOCUMENT TYPE: Patent
 RECORD TYPE: Abstract
 LANGUAGE: English

ABSTRACT: The invention provides new reagents and processes for synthesizing oligonucleotides, including stereoselective oligonucleotide synthesis. In a first aspect, the invention provides novel *monomer* synthons for the synthesis of oligonucleotides. *Monomer* synthons according to this aspect of the invention are useful in the synthesis of oligonucleotides and can be used in place of the well known beta-cyanoethyl phosphoramidite *monomer* synthon in the phosphoramidite synthesis procedure. Certain *monomer* synthons according to this aspect of the invention are useful in this procedure for *producing* *oligonucleotides* having defined stereochemistry. In a second aspect, the invention provides processes for synthesizing *monomer* synthons according to the invention, including diastereomerically enriched or purified *monomer* synthons. In the processes according to this aspect of the invention, the chemical reactions are stereoretentive so that the products of each reaction retain the same stereoconfiguration as their precursor reagent. In a third aspect, the invention provides processes for synthesizing oligonucleotides using the well known phosphoramidite approach. In the processes according to this aspect of the invention, any of the *monomer* synthons according to the invention is used in place of the conventional beta-cyanoethyl phosphoramidite.

DESCRIPTORS:

MAJOR CONCEPTS: Molecular Genetics (Biochemistry and Molecular Biophysics); Methods and Techniques
 CHEMICALS & BIOCHEMICALS: oligonucleotides--synthesis; synthons
 METHODS & EQUIPMENT: synthesis of oligonucleotides--synthetic method
 ?s synthesiz?(s)oligonucleotid?
 242150 SYNTHESIZ?
 86010 OLIGONUCLEOTID?
 S12 5260 SYNTHESIZ?(S)OLIGONUCLEOTID?
 ?s codon?(s)bias
 60974 CODON?

49656 BIAS
 S13 1344 CODON?(S)BIAS
 ?s s12 and s13
 5260 S12
 1344 S13
 S14 2 S12 AND S13
 ?rd
 ...completed examining records
 S15 1 RD (unique items)
 ?t/9/all

15/9/1 (Item 1 from file: 5)
 DIALOG(R)File 5:Biosis Previews(R)
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11339708 BIOSIS NO.: 199800121040
 Modified base compositions at degenerate positions of a mutagenic
 oligonucleotide enhance randomness in site-saturation mutagenesis.
 AUTHOR: Airaksinen Antero(a); Hovi Tapani
 AUTHOR ADDRESS: (a)Natl. Public Health Inst., Enterovirus Lab.,
 Mannerheimintie 166, FIN-00300 Helsinki**Finland
 JOURNAL: Nucleic Acids Research 26 (2):p576-581 Jan. 15, 1998
 ISSN: 0305-1048
 DOCUMENT TYPE: Article
 RECORD TYPE: Abstract
 LANGUAGE: English

ABSTRACT: Site-saturation mutagenesis, using degenerate *oligonucleotide*
 primers, is a frequently used method in introducing various mutations in
 a selected target *codon*. *Oligonucleotides* that are *synthesized*
 using equimolar concentrations of nucleoside phosphoramidites (dA, dC,
 dG, dT) in the positions to be saturated, result in a mutant population
 that is biased towards the original nucleotides. We found that this
 bias could be eliminated by modifying the concentrations of nucleoside
 phosphoramidites during the *oligonucleotide* synthesis. We
 synthesized eight degenerate *oligonucleotides* to saturate eight
 different *codons*, and sequenced a total of 344 mutagenized *codons*. In
 six of these eight *oligonucleotides*, we reduced to varying extents the
 concentrations of those nucleotides in the target positions that would
 form base pairs with the template. From the data, we analyzed the effects
 of different base compositions in the *oligonucleotides* when
 mutagenizing different *codons*, the influence of the positions of
 mismatches, and the significance of different non-Watson-Crick base
 pairs. Based on these results, we suggest levels to which different
 phosphoramidites should be reduced when *synthesizing* *oligonucleotides*
 for site-saturation mutagenesis.

DESCRIPTORS:

MAJOR CONCEPTS: Methods and Techniques; Molecular Genetics (Biochemistry
 and Molecular Biophysics)
 CHEMICALS & BIOCHEMICALS: oligonucleotide--degenerate position modified
 base compositions, mutagenic
 METHODS & EQUIPMENT: primer extension reaction--genetic method,
 mutagenesis; site-saturation mutagenesis--genetic method, randomness
 MISCELLANEOUS TERMS: non-Watson-Crick base pairing

CONCEPT CODES:

03502 Genetics and Cytogenetics-General
 10052 Biochemical Methods-Nucleic Acids, Purines and Pyrimidines
 10506 Biophysics-Molecular Properties and Macromolecules

?ds

Set	Items	Description
S1	169	VIII(S)FUSION
S2	16	S1 AND M13
S3	9	RD (unique items)
S4	0	VIII FUSION
S5	61	MONOMER?(S)BIAS
S6	0	S5 AND PRODUC?(W)OLIGO?
S7	72	PRODUC?(W)OLIGONUCLEO?
S8	0	S7 AND BIAS
S9	0	S8 AND MONMERS

S10 0 S8 AND MONOMER?
S11 1 S7 AND MONOMER?
S12 5260 SYNTHESIZ?(S)OLIGONUCLEOTID?
S13 1344 CODON?(S)BIAS
S14 2 S12 AND S13
S15 1 RD (unique items)

?s s1 and surface

169 S1

867221 SURFACE

S16 28 S1 AND SURFACE

?rd

...completed examining records

S17 17 RD (unique items)

?t/3/all

17/3/1 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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12885494 BIOSIS NO.: 200100092643

Rapid identification of a tobacco mosaic virus epitope by using a coat protein gene-fragment-pVIII fusion library.

AUTHOR: Holzem Achim; Naehring Joerg M; Fischer Rainer(a)

AUTHOR ADDRESS: (a)Institut fuer Biologie I (Botanik/Molekularbiologie),
RWTH Aachen, Worringerweg 1, D-52074, Aachen: fischer@biol.rwth-aachen.de
**Germany

JOURNAL: Journal of General Virology 82 (1):p9-15 January, 2001

MEDIUM: print

ISSN: 0022-1317

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

17/3/2 (Item 2 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2002 BIOSIS. All rts. reserv.

11665947 BIOSIS NO.: 199800447678

Efficient display of an HCV cDNA expression library as C-terminal fusion to the capsid protein D of bacteriophage lambda.

AUTHOR: Santini Claudia; Brennan Debra; Mennuni Carmela; Hoess Ronald H;

Nicosia Alfredo; Cortese Riccardo; Luzzago Alessandra(a)

AUTHOR ADDRESS: (a)Ist. Ricerche Biol., Mol. P. Angeletti, Pomezia, Rome**
Italy

JOURNAL: Journal of Molecular Biology 282 (1):p125-135 Sept. 11, 1998

ISSN: 0022-2836

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

17/3/3 (Item 3 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2002 BIOSIS. All rts. reserv.

10938828 BIOSIS NO.: 199799559973

Selection of phage-displayed superantigen by binding to cell-*surface* MHC class II.

AUTHOR: Wung Jay L; Gascoigne Nicholas R J(a)

AUTHOR ADDRESS: (a)Dep. Immunol., Scripps Res. Inst., 10550 North Torrey
Pines Road, La Jolla, CA 92037**USA

JOURNAL: Journal of Immunological Methods 203 (1):p33-41 1997

ISSN: 0022-1759

RECORD TYPE: Abstract

LANGUAGE: English

17/3/4 (Item 4 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2002 BIOSIS. All rts. reserv.

09731935 BIOSIS NO.: 199598186853
Monoclonal antibodies against a minor and the major coat proteins of
filamentous phage M13: Their application in phage display.
AUTHOR: Bhardwaj D; Singh S S; Abrok S; Chaudhary V K(a)
AUTHOR ADDRESS: (a)Dep. Biochem., Univ. Delhi South Campus, Benito Juarez
Road, New Delhi 110021**India
JOURNAL: Journal of Immunological Methods 179 (2):p165-175 1995
ISSN: 0022-1759
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

17/3/5 (Item 5 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

09683793 BIOSIS NO.: 199598138711
Construction and characterization of M13 bacteriophages displaying
functional IgG-binding domains of Staphylococcal protein A.
AUTHOR: Kushwaha Ashima; Chowdhury Partha Sarathi; Arora Kajal; Abrol Smita
; Chaudhary Vijay K(a)
AUTHOR ADDRESS: (a)Dep. Biochem., Univ. Delhi S. Campus, Benito Juarez Rd.,
New Delhi 110021**India
JOURNAL: Gene (Amsterdam) 151 (1-2):p45-51 1994
ISSN: 0378-1119
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

17/3/6 (Item 6 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

08085896 BIOSIS NO.: 000093095969
FINE MAPPING OF MONOCLONAL ANTIBODY EPITOPES ON HUMAN VON WILLEBRAND FACTOR
USING A RECOMBINANT PEPTIDE LIBRARY
AUTHOR: GINSBURG D; BOCKENSTEDT P L; ALLEN E A; FOX D A; FOSTER P A;
RUGGERI Z M; ZIMMERMAN T S; MONTGOMERY R R; BAHOU W F; ET AL
AUTHOR ADDRESS: HOWARD HUGHES MED. INST., 4250 MSRBI, 1150 W. MEDICAL CENT.
DRIVE, ANN ARBOR, MICH. 48109-0650.
JOURNAL: THROMB HAEMOSTASIS 67 (1). 1992. 166-171. 1992
FULL JOURNAL NAME: Thrombosis and Haemostasis
CODEN: THHAD
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

17/3/7 (Item 7 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

07996634 BIOSIS NO.: 000093052307
DESIGN CONSTRUCTION AND FUNCTION OF A MULTICOPY DISPLAY VECTOR USING
FUSIONS TO THE MAJOR COAT PROTEIN OF BACTERIOPHAGE M13
AUTHOR: MARKLAND W; ROBERTS B L; SAXENA M J; GUTERMAN S K; LADNER R C
AUTHOR ADDRESS: PROTEIN ENGINEERING CORPORATION, 765 CONCORD AVENUE,
CAMBRIDGE, MASS. 02138.
JOURNAL: GENE (AMST) 109 (1). 1991. 13-20. 1991
FULL JOURNAL NAME: GENE (Amsterdam)
CODEN: GENED
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

17/3/8 (Item 8 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
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07992707 BIOSIS NO.: 000093048380
SELECTION OF ANTIBODY LIGANDS FROM A LARGE LIBRARY OF OLIGOPEPTIDES
EXPRESSED ON A MULTIVALENT EXPOSITION VECTOR
AUTHOR: FELICI F; CASTAGNOLI L; MUSACCHIO A; JAPPELLI R; CESARENI G
AUTHOR ADDRESS: DIP. BIOLOGIA, II UNIVERSITA ROMA, TOR VERGATA, VIA
CARNEVALE, 00173 ROME, ITALY.
JOURNAL: J MOL BIOL 222 (2). 1991. 301-310. 1991
FULL JOURNAL NAME: Journal of Molecular Biology
CODEN: JMOBA
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

17/3/9 (Item 9 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

05550508 BIOSIS NO.: 000083023648
ALTERNATIVE PROCESSING OF H-2D-D PRE-MESSENGER RNA SPECIES RESULTS IN
MEMBRANE EXPRESSION OF DIFFERENTIALLY PHOSPHORYLATED PROTEIN PRODUCTS
AUTHOR: MCCLUSKEY J; BOYD L F; MALOY W L; COLIGAN J E; MARGULIES D H
AUTHOR ADDRESS: LAB. IMMUNOL., NATL. INST. ALLERGY INFECTIOUS DISEASES,
NIH, BETHESDA, MD. 20892, USA.
JOURNAL: EMBO (EUR MOL BIOL ORGAN) J 5 (10). 1986. 2477-2484. 1986
FULL JOURNAL NAME: EMBO (European Molecular Biology Organization) Journal
CODEN: EMJOD
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

17/3/10 (Item 10 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

05158241 BIOSIS NO.: 000081116366
CYCLIC ENDOCYTIC ACTIVITY AND KINETICS OF LYSOSOMES IN SERTOLI CELLS OF THE
RAT A MORPHOMETRIC ANALYSIS
AUTHOR: MORALES C; CLERMONT Y; NADLER N J
AUTHOR ADDRESS: DEP. ANAT., MCGILL UNIV., 3640 UNIVERSITY ST., MONTREAL,
QUE. H3A 2B2, CAN.
JOURNAL: BIOL REPROD 34 (1). 1986. 207-218. 1986
FULL JOURNAL NAME: Biology of Reproduction
CODEN: BIREB
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

17/3/11 (Item 11 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

05143468 BIOSIS NO.: 000081101593
SEROLOGIC AND T CELL RECOGNITION OF TRUNCATED TRANSPLANTATION ANTIGENS
ENCODED BY IN-VITRO DELETED CLASS I MAJOR HISTOCOMPATIBILITY GENES
AUTHOR: MCCLUSKEY J; BLUESTONE J A; COLIGAN J E; MALOY W L; MARGULIES D H
AUTHOR ADDRESS: LAB. IMMUNOL., NATL. INST. ALLERGY AND INFECT. DIS.,
BETHESDA, MD. 20205.
JOURNAL: J IMMUNOL 136 (4). 1986. 1472-1481. 1986
FULL JOURNAL NAME: Journal of Immunology
CODEN: JOIMA
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

17/3/12 (Item 12 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

04674704 BIOSIS NO.: 000079087833
IDENTIFICATION OF SEVERAL CELL *SURFACE* PROTEINS OF NON-T NON-B ACUTE

LYMPHOBLASTIC LEUKEMIA BY USING MONOCLONAL ANTIBODIES
AUTHOR: QUACKENBUSH E; LETARTE M
AUTHOR ADDRESS: RES. INST., DIV. IMMUNOL., HOSP. SICK CHILDREN, TORONTO,
ONTARIO, CANADA M5G 1X8.
JOURNAL: J IMMUNOL 134 (2). 1985. 1276-1285. 1985
FULL JOURNAL NAME: Journal of Immunology
CODEN: JOIMA
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

17/3/13 (Item 13 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

04303162 BIOSIS NO.: 000078032705
IMMUNO CYTOCHEMICAL LOCALIZATION OF FACTOR-VIII VON WILLEBRAND FACTOR
ANTIGEN IN HUMAN PLATELETS
AUTHOR: JEANNEAU C; SULTAN Y
AUTHOR ADDRESS: LAB. HEMOSTASE, HOPITAL COCHIN, 27 RUE DU FAUBOURG SAINT
JACQUES, 75674 PARIS CEDEX 14, FR.
JOURNAL: BIOL CELL 49 (3). 1983 (RECD. 1984). 237-242. 1983
FULL JOURNAL NAME: Biology of the Cell
CODEN: BCELD
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

17/3/14 (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

09012891 96330965 PMID: 8743310
Affinity maturation of proteins displayed on *surface* of M13
bacteriophage as major coat protein fusions.
Roberts BL; Markland W; Ladner RC
Genzyme Corporation, Framingham, Massachusetts 01701, USA.
Methods in enzymology (UNITED STATES) 1996, 267 p68-82, ISSN
0076-6879 Journal Code: MVA
Languages: ENGLISH
Document type: Journal Article
Record type: Completed

17/3/15 (Item 2 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

08820135 97022855 PMID: 8869215
Anti-vascular endothelial cell antibodies (AECA): comparison of two assay
methods and clinical applications.
Meyer O; Kaiser P; Haim T; Edgell CJ; Pasquier C; de Bandt M; Bridey F;
Sellak H; Lansaman J; Kahn MF
Immuno-Rheumatology Laboratory, Xavier Bichat University of Medicine,
Paris, France.
Revue du rhumatisme (FRANCE) Dec 1995, 62 (11) p737-47, ISSN
1169-8446 Journal Code: B5E
Languages: ENGLISH
Document type: Journal Article
Record type: Completed

17/3/16 (Item 3 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

07906799 93285460 PMID: 8508953
Trypsin display on the *surface* of bacteriophage.
Corey DR; Shiau AK; Yang Q; Janowski BA; Craik CS
Department of Pharmaceutical Chemistry, University of California San
Francisco 94143.
Gene (NETHERLANDS) Jun 15 1993, 128 (1) p129-34, ISSN 0378-1119
Journal Code: FOP
Languages: ENGLISH

Document type: Journal Article
Record type: Completed

17/3/17 (Item 4 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

05081544 87053811 PMID: 3640710
Alternative processing of H-2Dd pre-mRNAs results in membrane expression of differentially phosphorylated protein products.
McCluskey J; Boyd LF; Maloy WL; Coligan JE; Margulies DH
EMBO journal (ENGLAND) Oct 1986, 5 (10) p2477-83, ISSN 0261-4189
Journal Code: EMB
Languages: ENGLISH
Document type: Journal Article
Record type: Completed
?t/9/17

17/9/17 (Item 4 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

05081544 87053811 PMID: 3640710
Alternative processing of H-2Dd pre-mRNAs results in membrane expression of differentially phosphorylated protein products.
McCluskey J; Boyd LF; Maloy WL; Coligan JE; Margulies DH
EMBO journal (ENGLAND) Oct 1986, 5 (10) p2477-83, ISSN 0261-4189
Journal Code: EMB
Languages: ENGLISH
Document type: Journal Article
Record type: Completed
Subfile: INDEX MEDICUS

Two distinct mRNA species encoding the mouse major histocompatibility antigen H-2Dd have been identified in BALB/c spleen cells as well as in cultured cell lines expressing this cell *surface* glycoprotein. The alternate transcripts of H-2Dd arise from either removal or inclusion of exon VII (encoding I2) during pre-mRNA processing. The relative levels of each kind of H-2Dd transcript varied considerably between different cell types, and in all cells examined both forms of alloantigen were expressed on the cell membrane. Antigen derived from both types of transcript reacted with H-2Dd-specific monoclonal antibodies, whereas only protein lacking the 13 amino acids of I2 reacted with a specific antiserum raised against a predicted exon VI/*VIII* *fusion* peptide. Those H-2Dd proteins translated from full length, but not smaller, transcripts were phosphorylated in resting and phorbol myristate acetate-stimulated BALB/c spleen cells, suggesting that the major site of in vivo phosphorylation is within the highly conserved sequence encoded by exon VII. Thus alternative splicing of pre-mRNA transcripts is a mechanism which leads to membrane expression of two forms of H-2Dd, one of which lacks a major site of phosphorylation.

Tags: Animal

Descriptors: *Genes, Structural; *H-2 Antigens--genetics--GE; *Major Histocompatibility Complex; *Nucleic Acid Precursors--genetics--GE; *RNA Processing, Post-Transcriptional; *RNA, Messenger--genetics--GE; Cell Line; Lymphocytes--immunology--IM; Mice; Mice, Inbred BALB C; Phosphorylation; RNA Precursors; RNA Splicing

CAS Registry No.: 0 (H-2 Antigens); 0 (Nucleic Acid Precursors); 0 (RNA Precursors); 0 (RNA, Messenger); 0 (histocompatibility antigen H-2D(b))

Record Date Created: 19870114

?s phage display and VIII

385 PHAGE DISPLAY

43345 VIII

S18 8 PHAGE DISPLAY AND VIII

?rd

...completed examining records

S19 8 RD (unique items)

?t/3/all

19/3/1 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

13218398 BIOSIS NO.: 200100425547
Recombinant human factor *VIII*-specific affinity ligands selected from
phage-displayed combinatorial libraries of protein A.
AUTHOR: Nord Karin; Nord Olof; Uhlen Mathias; Kelley Brian; Ljungqvist
Charlotta; Nygren Per-Ake(a)
AUTHOR ADDRESS: (a)Department of Biotechnology, Royal Institute of
Technology (KTH), SE-100 44, Stockholm: perake@biochem.kth.se**Sweden
JOURNAL: European Journal of Biochemistry 268 (15):p4269-4277 August, 2001
MEDIUM: print
ISSN: 0014-2956
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

19/3/2 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

13031477 BIOSIS NO.: 200100238626
Shotgun phage display cloning.
AUTHOR: Jacobsson Karin(a); Frykberg Lars
AUTHOR ADDRESS: (a)Swedish University of Agricultural Sciences, SE-750 07,
Uppsala: Karin.Jacobsson@mikrob.slu.se**Sweden
JOURNAL: Combinatorial Chemistry & High Throughput Screening 4 (2):p
135-143 April, 2001
MEDIUM: print
ISSN: 1386-2073
DOCUMENT TYPE: Literature Review
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

19/3/3 (Item 3 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

12665631 BIOSIS NO.: 200000419133
Molecular analysis of factor *VIII* inhibitors employing phage display.
AUTHOR: Voorberg J(a)
AUTHOR ADDRESS: (a)CLB, Amsterdam**Netherlands
JOURNAL: Haemostasis 30 (1-2):p28 May, 2000
MEDIUM: print
CONFERENCE/MEETING: 1st North Sea Conference on Thrombosis and Haemostasis
Maastrich, Netherlands June 12-14, 2000
ISSN: 0301-0147
RECORD TYPE: Citation
LANGUAGE: English
SUMMARY LANGUAGE: English

19/3/4 (Item 4 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

12382131 BIOSIS NO.: 200000135633
Phage peptide-display technology to identify novel peptide binders to a
monoclonal antibody.
AUTHOR: Prendergast Declan P; Halliday M Isla; McFerran Neil V; Wallace
Andrew(a)
AUTHOR ADDRESS: (a)Centre for Peptide and Protein Engineering, Queen's
University of Belfast, Medical Biology Centre, 97 Lisburn Road, Belfast,
BT9 7BL**UK
JOURNAL: Biochemical Society Transactions. 28 (1):pA41 2000
CONFERENCE/MEETING: The 670th Meeting of the Biochemical Society. Cork,
Ireland September 07-09, 1999
SPONSOR: Biochemical Society
ISSN: 0300-5127
RECORD TYPE: Citation

LANGUAGE: English
SUMMARY LANGUAGE: English

19/3/5 (Item 5 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

12013781 BIOSIS NO.: 199900294300
Selection of phage-display peptides that bind to cucumber mosaic virus coat protein.
AUTHOR: Gough Kevin C(a); Cockburn William; Whitelam Garry C
AUTHOR ADDRESS: (a)Department of Biology, University of Leicester, University Road, Adrian Building, Leicester, Lei**UK
JOURNAL: Journal of Virological Methods 79 (2):p169-180 May, 1999
ISSN: 0166-0934
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English

19/3/6 (Item 6 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

11938903 BIOSIS NO.: 199900185012
Identification of small peptidic ligands to the cancer-specific tumor marker EGFRvIII by phage display.
AUTHOR: Campa M J; Vinson E N; Pegram C N; Bigner D D; Patz E F Jr
AUTHOR ADDRESS: Duke Univ. Med. Cent., Durham, NC 27710**USA
JOURNAL: Proceedings of the American Association for Cancer Research Annual Meeting 40p484 March, 1999
CONFERENCE/MEETING: 90th Annual Meeting of the American Association for Cancer Research Philadelphia, Pennsylvania, USA April 10-14, 1999
SPONSOR: American Association for Cancer Research
ISSN: 0197-016X
RECORD TYPE: Citation
LANGUAGE: English

19/3/7 (Item 7 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

11665947 BIOSIS NO.: 199800447678
Efficient display of an HCV cDNA expression library as C-terminal fusion to the capsid protein D of bacteriophage lambda.
AUTHOR: Santini Claudia; Brennan Debra; Mennuni Carmela; Hoess Ronald H; Nicosia Alfredo; Cortese Riccardo; Luzzago Alessandra(a)
AUTHOR ADDRESS: (a)Ist. Ricerche Biol., Mol. P. Angeletti, Pomezia, Rome**Italy
JOURNAL: Journal of Molecular Biology 282 (1):p125-135 Sept. 11, 1998
ISSN: 0022-2836
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

19/3/8 (Item 8 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

11353804 BIOSIS NO.: 199800135136
Gene *VIII*-based, phage-display vectors for selection against complex mixtures of ligands.
AUTHOR: Jacobsson Karin; Frykberg Lars(a)
AUTHOR ADDRESS: (a)Box 7025, S-750 07 Uppsala**Sweden
JOURNAL: Biotechniques 24 (2):p294-301 Feb., 1998
ISSN: 0736-6205
DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

?s m13 (s)fusion

5457 M13

181227 FUSION

S20 227 M13 (S)FUSION

?s s20 and VIII

227 S20

43345 VIII

S21 16 S20 AND VIII

?s s21 and phage

16 S21

66555 PHAGE

S22 14 S21 AND PHAGE

?rd

...completed examining records

S23 8 RD (unique items)

?t/3/all

23/3/1 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2002 BIOSIS. All rts. reserv.

12885494 BIOSIS NO.: 200100092643

Rapid identification of a tobacco mosaic virus epitope by using a coat protein gene-fragment-pVIII fusion library.

AUTHOR: Holzem Achim; Naehring Joerg M; Fischer Rainer(a)

AUTHOR ADDRESS: (a)Institut fuer Biologie I (Botanik/Molekularbiologie),
RWTH Aachen, Worringergweg 1, D-52074, Aachen: fischer@biol.rwth-aachen.de
**Germany

JOURNAL: Journal of General Virology 82 (1):p9-15 January, 2001

MEDIUM: print

ISSN: 0022-1317

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

23/3/2 (Item 2 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2002 BIOSIS. All rts. reserv.

11665947 BIOSIS NO.: 199800447678

Efficient display of an HCV cDNA expression library as C-terminal fusion to the capsid protein D of bacteriophage lambda.

AUTHOR: Santini Claudia; Brennan Debra; Mennuni Carmela; Hoess Ronald H;

Nicosia Alfredo; Cortese Riccardo; Luzzago Alessandra(a)

AUTHOR ADDRESS: (a)Ist. Ricerche Biol., Mol. P. Angeletti, Pomezia, Rome**
Italy

JOURNAL: Journal of Molecular Biology 282 (1):p125-135 Sept. 11, 1998

ISSN: 0022-2836

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

23/3/3 (Item 3 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2002 BIOSIS. All rts. reserv.

09731935 BIOSIS NO.: 199598186853

Monoclonal antibodies against a minor and the major coat proteins of filamentous *phage* M13: Their application in *phage* display.

AUTHOR: Bhardwaj D; Singh S S; Abrok S; Chaudhary V K(a)

AUTHOR ADDRESS: (a)Dep. Biochem., Univ. Delhi South Campus, Benito Juarez
Road, New Delhi 110021**India

JOURNAL: Journal of Immunological Methods 179 (2):p165-175 1995

ISSN: 0022-1759

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

23/3/4 (Item 4 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

09683793 BIOSIS NO.: 199598138711
Construction and characterization of M13 bacteriophages displaying
functional IgG-binding domains of Staphylococcal protein A.
AUTHOR: Kushwaha Ashima; Chowdhury Partha Sarathi; Arora Kajal; Abrol Smita
; Chaudhary Vijay K(a)
AUTHOR ADDRESS: (a)Dep. Biochem., Univ. Delhi S. Campus, Benito Juarez Rd.,
New Delhi 110021**India
JOURNAL: Gene (Amsterdam) 151 (1-2):p45-51 1994
ISSN: 0378-1119
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

23/3/5 (Item 5 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

07996634 BIOSIS NO.: 000093052307
DESIGN CONSTRUCTION AND FUNCTION OF A MULTICOPY DISPLAY VECTOR USING
FUSIONS TO THE MAJOR COAT PROTEIN OF BACTERIOPHAGE M13
AUTHOR: MARKLAND W; ROBERTS B L; SAXENA M J; GUTERMAN S K; LADNER R C
AUTHOR ADDRESS: PROTEIN ENGINEERING CORPORATION, 765 CONCORD AVENUE,
CAMBRIDGE, MASS. 02138.
JOURNAL: GENE (AMST) 109 (1). 1991. 13-20. 1991
FULL JOURNAL NAME: GENE (Amsterdam)
CODEN: GENED
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

23/3/6 (Item 6 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2002 BIOSIS. All rts. reserv.

06073817 BIOSIS NO.: 000085036966
TRANSLATIONAL CONTROL OF *PHAGE* F1 GENE EXPRESSION BY DIFFERENTIAL
ACTIVITIES OF THE GENE V VII IX AND *VIII* INITIATION SITES
AUTHOR: BLUMER K J; IVEY M R; STEEGE D A
AUTHOR ADDRESS: DEP. BIOCHEM., DUKE UNIV. MED. CENT., DURHAM, N.C. 27710,
U.S.A.
JOURNAL: J MOL BIOL 197 (3). 1987. 439-452. 1987
FULL JOURNAL NAME: Journal of Molecular Biology
CODEN: JMOBA
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

23/3/7 (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

09012891 96330965 PMID: 8743310
Affinity maturation of proteins displayed on surface of M13 bacteriophage
as major coat protein fusions.
Roberts BL; Markland W; Ladner RC
Genzyme Corporation, Framingham, Massachusetts 01701, USA.
Methods in enzymology (UNITED STATES) 1996, 267 p68-82, ISSN
0076-6879 Journal Code: MVA
Languages: ENGLISH
Document type: Journal Article
Record type: Completed

23/3/8 (Item 2 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

07906799 93285460 PMID: 8508953

Trypsin display on the surface of bacteriophage.

Corey DR; Shiau AK; Yang Q; Janowski BA; Craik CS

Department of Pharmaceutical Chemistry, University of California San Francisco 94143.

Gene (NETHERLANDS) Jun 15 1993, 128 (1) p129-34, ISSN 0378-1119

Journal Code: FOP

Languages: ENGLISH

Document type: Journal Article

Record type: Completed

?ds

Set	Items	Description
S1	169	VIII(S)FUSION
S2	16	S1 AND M13
S3	9	RD (unique items)
S4	0	VIII FUSION
S5	61	MONOMER?(S)BIAS
S6	0	S5 AND PRODUC?(W)OLIGO?
S7	72	PRODUC?(W)OLIGONUCLEO?
S8	0	S7 AND BIAS
S9	0	S8 AND MONMERS
S10	0	S8 AND MONOMER?
S11	1	S7 AND MONOMER?
S12	5260	SYNTHESIZ?(S)OLIGONUCLEOTID?
S13	1344	CODON?(S)BIAS
S14	2	S12 AND S13
S15	1	RD (unique items)
S16	28	S1 AND SURFACE
S17	17	RD (unique items)
S18	8	PHAGE DISPLAY AND VIII
S19	8	RD (unique items)
S20	227	M13 (S)FUSION
S21	16	S20 AND VIII
S22	14	S21 AND PHAGE
S23	8	RD (unique items)

?logoff

14jan02 09:46:00 User259980 Session D182.2

\$5.34 0.312 DialUnits File434

\$5.34 Estimated cost File434

\$7.85 1.402 DialUnits File5

\$56.10 34 Type(s) in Format 3

\$4.95 3 Type(s) in Format 9

\$61.05 37 Types

\$68.90 Estimated cost File5

\$5.05 1.579 DialUnits File155

\$1.60 8 Type(s) in Format 3

\$0.20 1 Type(s) in Format 9

\$1.80 9 Types

\$6.85 Estimated cost File155

OneSearch, 3 files, 3.293 DialUnits FileOS

\$0.80 TYMNET

\$81.89 Estimated cost this search

\$82.21 Estimated total session cost 3.380 DialUnits

Status: Signed Off. (16 minutes)